

ABSTRACT

RSCP calculation sections 106a-160c calculate RSCP per path, using average signal powers. Multipliers 5 107a-107c multiply symbol power deviations per path and per slot by the RSCP per path, thereby weighting the deviations per path and per slot. A combining section 108 calculates a total RSCP by adding the RSCP values per path. Another combining section 109 calculates 10 symbol power deviations per slot by adding the weighted symbol power deviations per path. An ISCP calculation section 110 calculates symbol power variance values per slot, using the symbol power deviations per slot. An averaging section 111 calculates a total ISCP by averaging 15 the symbol power variance values across multiple slots. An SIR calculation section 112 calculates SIR from the total RSCP and the total ISCP. SIR measurement before RAKE combining can be performed with as high accuracy as SIR measurement after RAKE combining.